Second Factor Inc (SFI) is looking for a Senior Network Engineer responsible for the design, implementation, operation, and troubleshooting of the Department of State, PKI network infrastructure. In addition, this person will be responsible for the design, implementation, and maintenance of an F5 load balancing system. This person will collaborate with cross-functional teams to ensure the network meets the end user requirements for performance, security, and availability.

Position is located in Springfield, VA. Employee will be required to come on-site as needed, averaging 3-4 times per week.

Job Description:

- Work with other network engineers to design and implement a secure and highly reliable network configuration
- Able to implement different network configurations such as LAN, WLAN, and WAN network environments
- Install and configure networking equipment including routers, switches, firewalls,
- Implement and maintain network security measures to protect the organization's data and systems
- Provide specifications and detailed schematics for Server Load Balancing architecture for the PKI enterprise.
- Develop implementation strategies, plans and processes for migration of the Server Load Balancing systems from data center to data center.
- Set up the logging (using syslog) and monitoring solutions for the load balancing environment
- Perform network monitoring and troubleshooting
- Provide recommendations to improve network security posture
- Experience with microsegmentation using software tools such as NSX
- Ability to plan, develop, and perform lab performance, functional, and integration testing
- Conduct regular security audits and vulnerability assessments.
- Collaborate with cross-functional teams to understand the business requirements
- Ensure the NIST 800-53 Rev. 4 security controls, where applicable, are in place and validated on the network and load balancing systems
- Must be able to travel to data center as necessary (local and remote)
- Be available for on-call support and network engineering expertise when operational issues or outages are escalated (as necessary).
- Must have excellent communication skills.

Job Requirements:

- F5 Certified Technology Specialist or Solutions Expert Level Certification: 300 series or higher required
- Cisco CCNA or CCNP Certification preferred
- Experience deploying, upgrading, and troubleshooting multivendor network equipment and solutions, including Cisco, Palo Alto, and ForcePoint
- Ability and willingness to develop creative solutions to business problems and work well within a team environment
- Experience with Linux-based operating systems and a working knowledge of web-based applications.
- 4 years of experience with network connectivity for physical and virtualized servers
- 4 years of experience installing and configuring network equipment such as routers, switches, firewalls, etc.
- Ability to write documentation such as procedures, processes, and standard operating procedures
- Ability to think analytically, troubleshoot, and solve problems
- Must have good communication and collaboration skills
- Good organizational and time management skills

Required Clearance

- US Citizenship
- Active Top Secret Clearance

Desired Training & Skills

- Security+, CISSP, or equivalent
- Understanding of Cloud technologies (Google Cloud Platform, Azure or AWS)
- Experience with Identity Governance Products (SailPoint, Oracle, Saviynt etc.)
- Knowledge of web services (REST/SOAP).
- Familiarity with SCIM and knowledge of various API authentication standards
- Experience with Linux and Windows Operating Systems
- Assess integration opportunities from technical perspective and provide solutions

Position #0653-Network Engineer.docx

Job Type:

- Full-time

Benefits:

- 401(k)
- Dental and Vision insurance
- Health insurance
- Life insurance
- Paid time off

Education & Experience:

- Bachelors and 10 years of experience
- 5+ years of experience in architecting, deploying, and managing network environments.

Work Location:

- Position is located in Springfield, VA. Hybrid with the on-site location being in Springfield, VA. Employee will be required to come on-site as needed. Averaging 3-4 times per week.

Second Factor is an equal opportunity employer and does not discriminate or allow discrimination on the basis of race, color, religion, gender, age, national origin, citizenship, disability, veteran status or any other classification protected by federal, state, or local law.